

What is claimed is:

1. An opaque white film with a thickness of from 10 to 500 μm whose principal constituent is a crystallizable thermoplastic, wherein the film comprises at least barium sulfate as pigment, at least one UV stabilizer as light stabilizer, at least one flame retardant and at least one optical brightener.
2. The opaque white film as claimed in claim 1, wherein the crystallizable thermoplastic has been selected from the group consisting of polyethylene terephthalate, polybutylene terephthalate and polyethylene naphthalate.
3. The opaque white film as claimed in claim 1, wherein from 0.2 to 40% by weight of barium sulfate, based on the weight of the crystallizable thermoplastic, is present in the film and the barium sulfate is fed to the thermoplastic by way of masterbatch technology during film production.
4. The opaque white film as claimed in claim 1, wherein from 10 to 50,000 ppm, of optical brightener, based on the weight of the crystallizable thermoplastic, is present in the film and the optical brightener is fed to the thermoplastic by way of masterbatch technology during film production.
5. The opaque white film as claimed in claim 4, wherein the optical brightener has been selected from the group consisting of bisbenzoxazoles, phenylcoumarins and bisstearyl biphenyls.
6. The opaque white film as claimed in claim 1, wherein from 0.01 to 5% by weight, based on the weight of the thermoplastic, of UV stabilizer is present as light stabilizer in the film, and the UV stabilizer has been selected from the group

consisting of 2-hydroxybenzophenones, 2-hydroxybenzotriazoles, organonickel compounds, salicylic esters, cinnamic ester derivatives, resorcinol monobenzoates, oxanilides, hydroxybenzoic esters, sterically hindered amines and triazines and mixtures of these, and the UV stabilizer is fed to the thermoplastic as a masterbatch during film production.

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7. The opaque white film as claimed in claim 1, wherein from 0.5 to 30.0% by weight, based on the weight of the crystallizable thermoplastic, of flame retardant is present in the film, and the flame retardant has been selected from the group consisting of organic phosphorus compounds, and the flame retardant is soluble in the thermoplastic.
8. The opaque white film as claimed in claim 7, wherein the organic phosphorus compound is selected from carboxyphosphinic acids, anhydrides of these and dimethyl methylphosphonate.
9. The opaque white film as claimed in claim 1, wherein from 0.01 to 1.0% by weight of a hydrolysis stabilizer selected from the group consisting of phenolic stabilizers, the alkali metal or alkaline earth metal stearates and the alkali metal or alkaline earth metal carbonates is also present in the film.
10. The opaque white film as claimed in claim 1, wherein a polyester-soluble blue dye selected from the group consisting of cobalt blue, ultramarine blue and anthraquinone dyes, is also present in the film, and the amount of blue dye is from 10 to 10,000 ppm, based on the weight of the crystallizable thermoplastic.
11. The opaque white film as claimed in claim 1, wherein the barium sulphate is present as precipitated barium sulfate in the film and is in the form of fine-particle colorless

powder with an average grain size of from 0.1 to 5 µm, measured by the Sedigraph method.

12. The opaque white film as claimed in claim 1, wherein the surface gloss of the film measured to DIN 67530 (measurement angle 20°) is greater than or equal to 10, and the luminous transmittance (transparency) of the film, measured to ASTM-D 1003 is less than or equal to 30%.

13. The opaque white film as claimed in claim 1, wherein the film has one or more layers, and the embodiment having more than one layer comprises at least one core layer and at least one outer layer.

14. The opaque white film as claimed in claim 13, wherein, in the embodiment having more than one layer, the barium sulfate, the flame retardant and the optical brightener are present in the core layer, and the UV stabilizer is present in the outer layer(s).

15. The opaque white film as claimed in claim 14, wherein the outer layers, too, have been provided with barium sulfate, flame retardant and optical brightener.

16. The opaque white film as claimed in claim 1, wherein a scratch-resistant coating, a copolyester or an adhesion promoter has been provided on at least one side of the film.

17. A process for producing the opaque white film as claimed in claim 1 by extrusion, in which the thermoplastic material barium sulfate, UV stabilizer, flame retardant and optical brightener melted in an extruder is compacted, extruded through a slot die and quenched on a chill roll, as a substantially amorphous prefilm, and then

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reheated and stretched longitudinally and transversely, or transversely and longitudinally, or longitudinally, transversely and again longitudinally and/or transversely, which comprises establishing the stretching temperatures at from $T_g + 10\text{ K}$ to $T_g + 60\text{ K}$ and establishing a longitudinal stretching ratio of from 2 to 5, and a transverse stretching ratio of from 2 to 5, and then heat-set.

18. The process as claimed in claim 17, wherein the heat-setting of the film is carried out at oven temperatures of from 200 to 260°C.

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